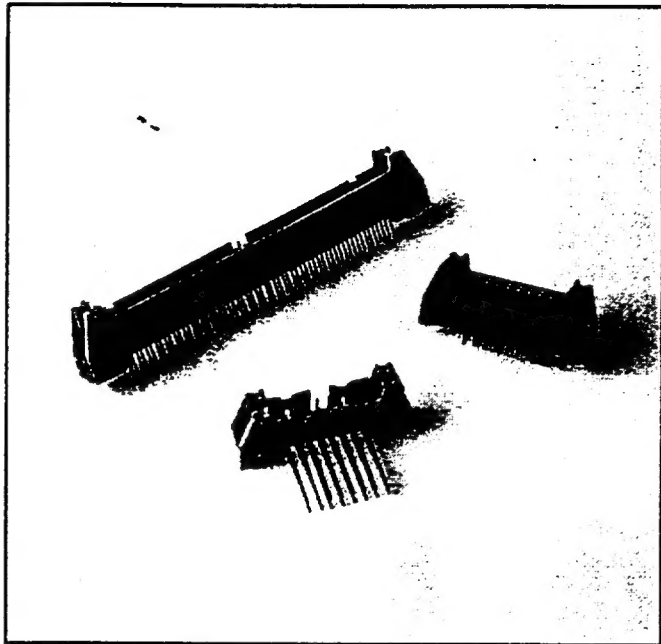


# .100" x .100" Latch/Ejector Header

4 Wall



79.

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Date Issued: January 18, 1995

TS-0160-13  
Sheet 1 of 4

## Physical

### Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

Marking: 3M Logo, Part Identification Number and Orientation Triangle

### Contact

Material: Copper Alloy

### Plating

Underplate: 100  $\mu$ " [ 2.54  $\mu$ m ] Nickel — QQ-N-290, Class 2

Wiping Area: Gold — MIL-G-45204, Type II, Grade C

Solder Tails: 200  $\mu$ " [ 5.08  $\mu$ m ] 60/40 Tin Lead — MIL-P-81728

Wrap Tails: Gold Flash

## Electrical

Current Rating: 1 A

Insulation Resistance:  $>1 \times 10^9 \Omega$  at 500 Vdc

Withstanding Voltage: 1000 Vrms at Sea Level

## Environmental

Temperature Rating:  $-55^\circ\text{C}$  to  $+105^\circ\text{C}$

UL File No.: E68080

CSA File No.: LR 40971

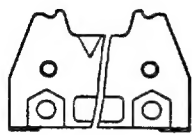
### 3M Electronic Products Division

6801 River Place Blvd.  
Austin, TX 78726-9000

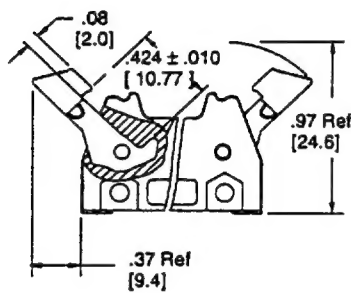
For technical, sales or ordering information call  
800-225-5373

# .100" x .100" Latch/Ejector Header 4-Wall

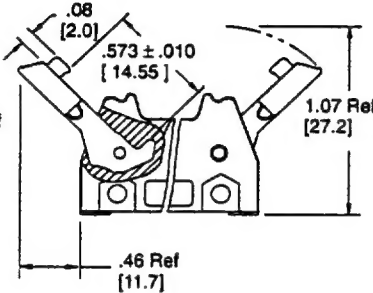
-X0XX  
Header with No  
Ejector/Latch



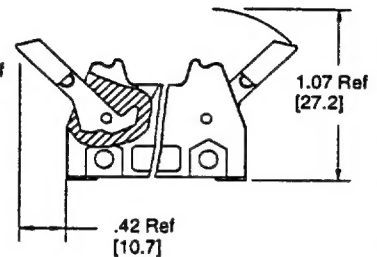
-X2XX  
-X5XX *UN*  
Header with  
Short Ejector/Latch  
for 3M Sockets without  
Strain Relief



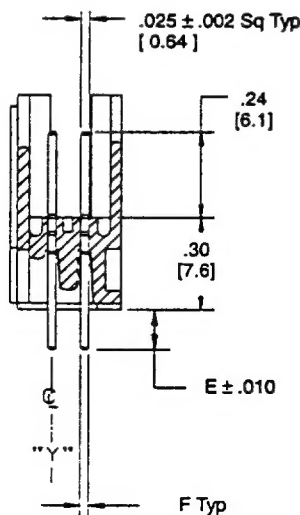
-X3XX  
-X6XX *UN*  
Header with  
Long Ejector/Latch  
for 3M Sockets with  
Strain Relief



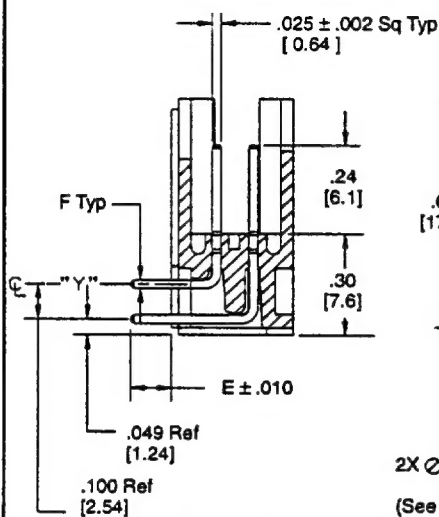
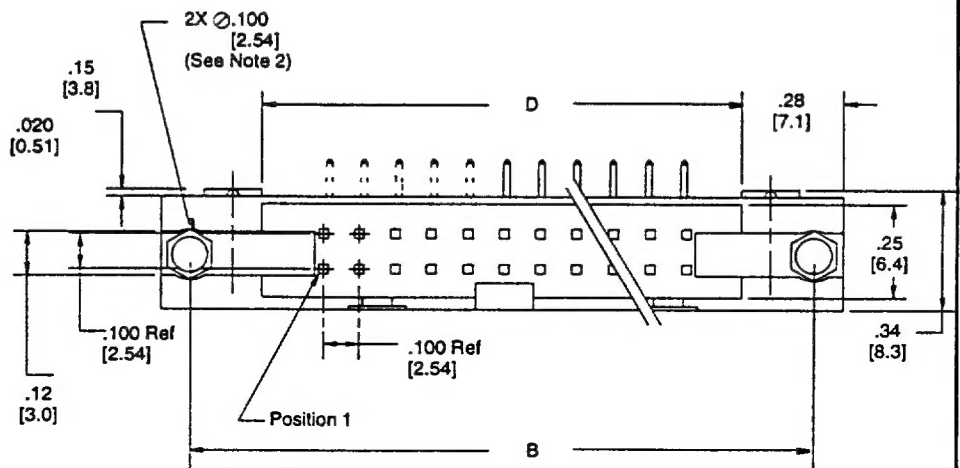
-X4XX  
Header with  
Ejector only



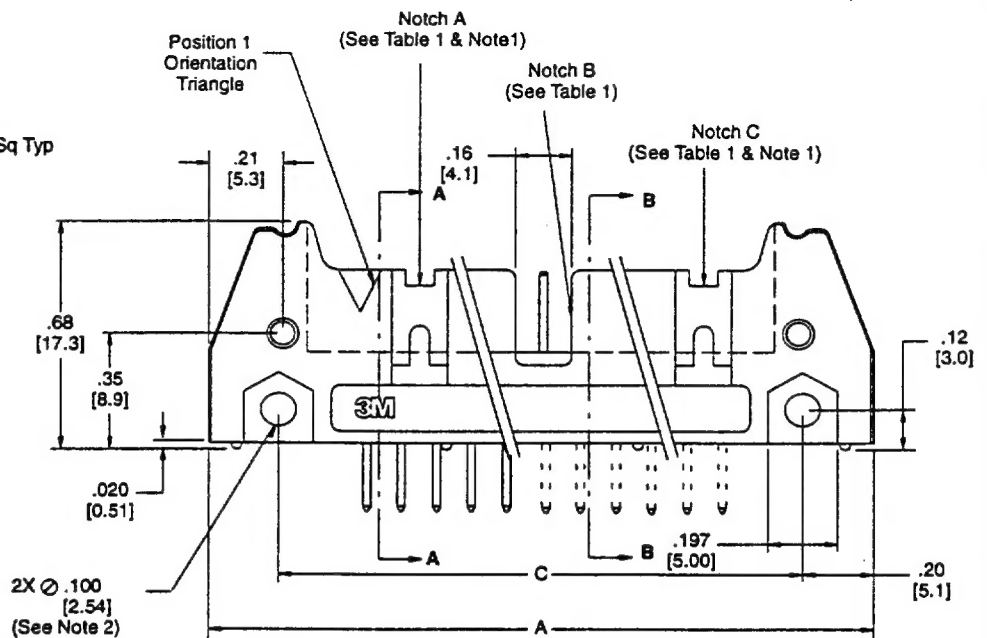
Note: This Ejector is a Nickel Plated Zinc Alloy Casting.



Section A-A  
(Straight)



Section B-B  
(Right Angle)



TS-0160-13  
Sheet 2 of 4

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# .100" x .100" Latch/Ejector Header 4 Wall

## Ordering Information

### 30 Microinches Gold Plated Product

XXXX-XXXX

3M Part Number  
(See Table 1)

Shroud and Pin Configuration  
5 = 4 Wall, Right Angle  
6 = 4 Wall, Straight

Latch/Ejector System  
0 = No Latch/Ejector  
2 = Short, Roll Pin Latch/Ejectors  
(3M Part # 3505-2)  
3 = Long, Roll Pin Latch/Ejectors  
(3M Part # 3505-3)  
4 = Roll Pin Ejectors  
(3M Part # 3505-4)

Tail  
02 = Solder Tail for .062 [1.57] Thick Board  
K2 = Kinked Solder Tails for .062 [1.57]  
Thick Board  
03 = Solder Tails for .094 to .125 [2.39 to 3.18]  
Thick Board  
05 = Wrap Posts for up to 3 Levels of Wire Wrap

### 4 Microinches Gold Plated Product

XXXX-XXXXXX

3M Part Number  
(See Table 1)

Shroud and Pin Configuration  
5 = 4 Wall, Right Angle  
6 = 4 Wall, Straight

Latch/Ejector System  
0 = No Latch/Ejector  
5 = Short, Snap In Latch/Ejectors  
(3M Part # 3505-30)  
6 = Long, Snap In Latch/Ejectors  
(3M Part # 3505-31)

Plating Suffix  
UN = 4 microinch Gold  
Tail  
02 = Solder Tail for .062 [1.57] Thick Board  
K2 = Kinked Solder Tails for .062 [1.57]  
Thick Board  
03 = Solder Tails for .094 to .125 [2.39 to 3.18]  
Thick Board

TS-0160-13  
Sheet 4 of 4

## 3M Electronic Products Division

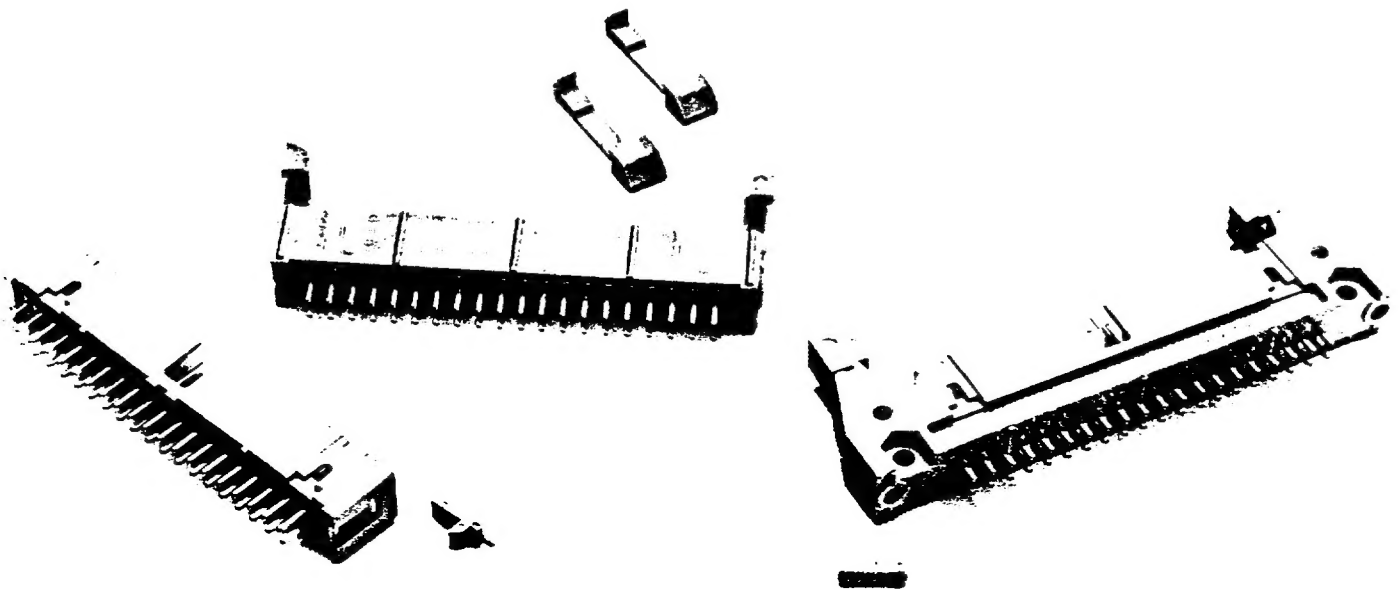
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Austin, TX 78726-9000

For technical, sales or ordering information call  
800-225-5373

# 3M

## Header Accessories

### 2500 Series and 3400 Series Pin Headers



3M header accessories enable manufacturers to take full advantage of the 2500 Series and 3400 Series Pin Headers. By adapting these popular and cost-effective pin headers to environments with high vibration or robotic assembly, 3M header accessories enable the manufacturer to save money and time without sacrificing the quality or integrity of the design.

#### **Snap-in long latches for 2500 Series Low Profile Headers**

These simple to install plastic latches snap easily into each end of the header and latch snugly to the corners of the strain relief of the mated socket. The latches provide socket retention and prevent accidental disconnection.

Use of these latches allows the 2500 Series headers to be used reliably in applications exposed to high vibration or in manufacturing operations with a lot of handling. The gray nylon latches are a cost-effective alternative to metal clips.

#### **Polarization Posts**

To assure proper mounting of 2500 Series and 3400 Series headers in both automated and manual manufacturing operations, 3M offers board polarization posts. The plastic posts fit conveniently into either end of the header. The posts are available in both PBT and PCT plastics.

# .100"x.100" Low Profile Header

## Accessories

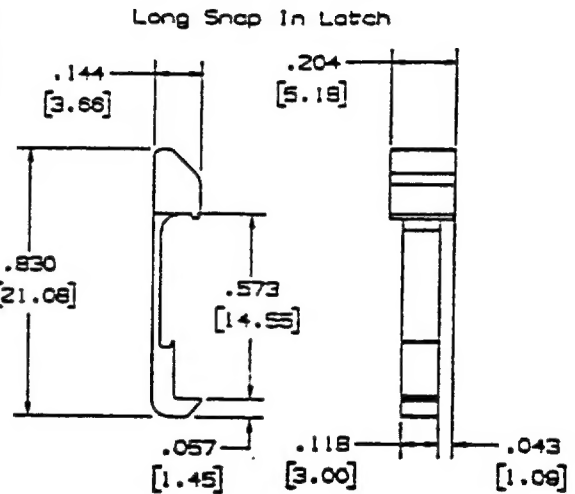
Sheet 1 of 1

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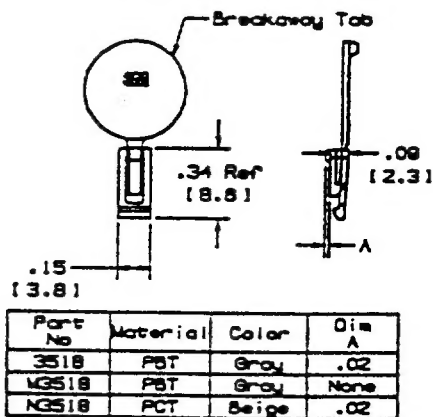
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Issued: July 27, 1994



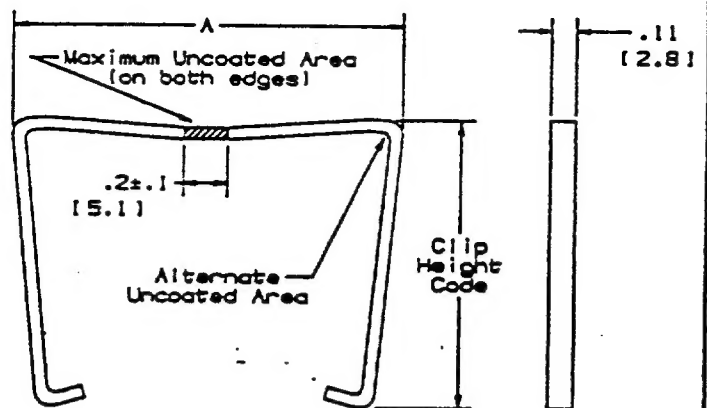
Part No	Material	Color
3505-33	Nylon	Gray

### Polarizing Keys



Note: #2218 S/A Scotchweld can be used to adhere keys.

### Short/Long Socket Retainer Clip



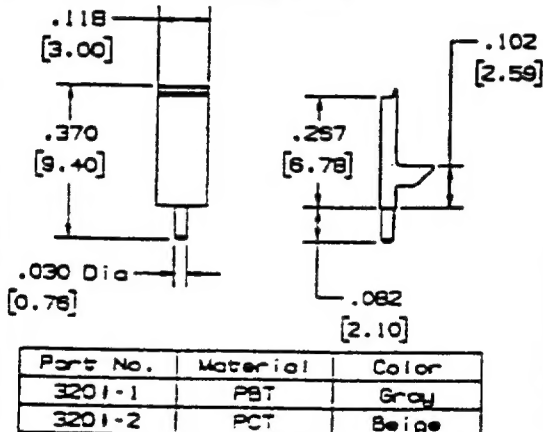
Conn. Pin Count	Dim A
10	.81 [20.8]
14	1.02 [25.9]
18	1.12 [28.4]
20	1.32 [33.5]
24	1.52 [38.7]
28	1.83 [46.4]
30	1.83 [46.4]
34	2.03 [51.8]
40	2.33 [59.2]
50	2.83 [71.9]
60	3.33 [84.8]
64	3.53 [89.7]

3505-8XXX

Clip Height Code  
 0 = .31 [7.9]  
 for Sockets  
 w/o Strain  
 Relief  
 1 = .53 [13.5]  
 for Sockets  
 with Strain  
 Relief

Conn. Pin Count:  
 See Table

### Polarizing Post



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